

Waterwatch

Objectives

- Track the levels of turbidity and phosphate in Darebin Creek over time.
- Identify potential pollution source points.
- Involve and educate the community in water monitoring.

Monthly Parameters (and unit of measurement)

- Air & Water Temperatures (°C)
- Dissolved Oxygen (mg/L)
- pH
- EC or salinity (µS/cm)
- Turbidity or muddiness (NTU)
- Reactive Phosphate (mg/L)
- Ammonium (mg/L)

To look at further water quality data for this site (using site code: ME_YDA435) visit the Waterwatch [online database](#)

Site Introduction

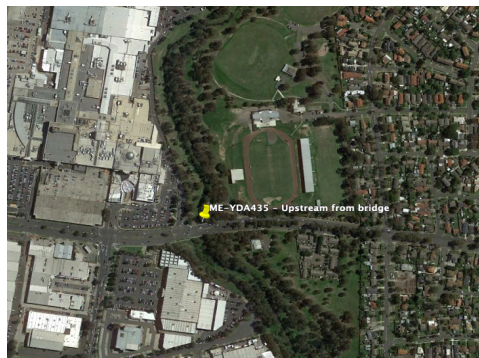
Darebin Creek flows along a 50 km course from its headwaters in farmland north of Woodstock, through a number of highly urbanised suburbs until it reaches the confluence with the Yarra River. It often sees polluted water coming through the stormwater system. Previous events have involved high turbidity (muddiness), surfactants (detergents) and pesticides. [These events have sometimes caused fish kills.](#)

2019 Waterwatch Water Quality Site Summary Report

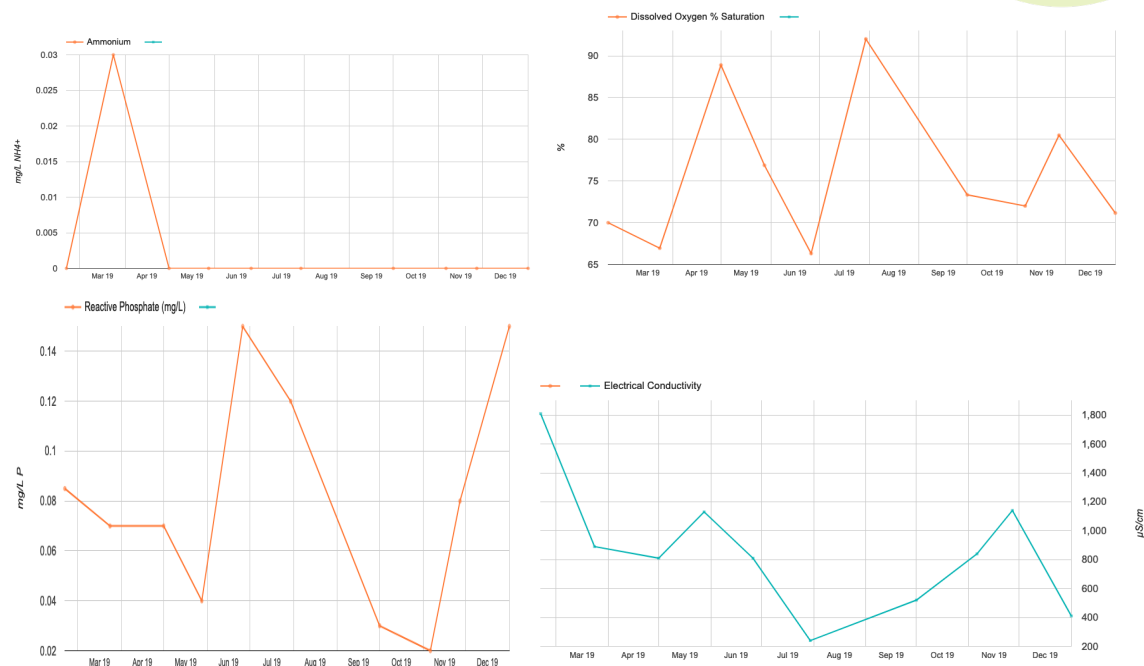
Site Name and Description

ME_YDA435 Darebin Creek, upstream Murray Road/Southern Road bridge, Preston/Heidelberg Heights.

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Physico Chemical Tests 01/01/2019 to 31/12/2019



Date	N mg/L NH4+	D.O. %	EC µS/cm	pH Units	rP mg/L P	Air °C	Water °C	Turb NTU
20/01/2019	0.00	70.0	1810	7.5	0.09	22.6	21.2	9.0
24/02/2019	0.03	67.0	890	7.4	0.07	22.4	20.6	9.0
31/03/2019	0.00	88.9	810	7.7	0.07	15.2	14.7	17.0
28/04/2019	0.00	76.9	1130	7.5	0.04	13.6	13.4	10.0
26/05/2019	0.00	66.3	810	7.3	0.15	13.3	12.8	22.0
30/06/2019	0.00	92.0	240	7.2	0.12	12.0	11.6	30.0
1/09/2019	0.00	73.3	520	7.7	0.03	14.2	11.4	9.0
6/10/2019	0.00	72.0	840	7.2	0.02	24.1	16.6	9.0
27/10/2019	0.00	80.5	1140	7.5	0.08	16.1	15.5	9.0
1/12/2019	0.00	71.2	410	7.1	0.15	13.7	16.1	9.0
ME-YDA435 /x	0.003	75.805	860	7.41	0.082	16.72	15.39	13

Summary

Ammonium levels were above 0.0 mg/L on one occasion in 2019

Dissolved Oxygen was at a minimum low level of less than 60% on zero occasions

Conductivity levels were above 1000 µS/cm on three occasions

pH levels varied between 7.1 and 7.7 and averaged at 7.4

Phosphate levels were at more than 0.1 mg/L on three occasions in 2019

Turbidity was higher than 9 on 4 occasions